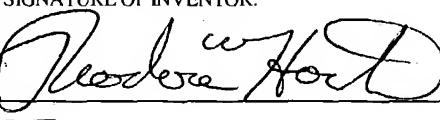


APPLICATION FOR UNITED STATES PATENT
DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor if only one name is listed below, or an original, first and joint inventor if plural inventors are named below, of the subject matter which is claimed and for which a patent is sought on the invention entitled as set forth below, which is described in the attached specification; that I have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration; that no application for patent or inventor's certificate on this invention has been filed by me or my legal representatives or assigns in any country foreign to the United States of America; and that I acknowledge my duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

TITLE OF INVENTION: SYSTEM FOR REDUCING ROW PERIPHERY POWER CONSUMPTION IN MEMORY DEVICES		
POWER OF ATTORNEY: I HEREBY APPOINT THE FOLLOWING ATTORNEYS TO PROSECUTE THIS APPLICATION AND TRANSACT ALL BUSINESS IN THE PATENT AND TRADEMARK OFFICE CONNECTED THEREWITH		
<p>Jim Brady Practitioners at Customer Number 23494</p>		
SEND CORRESPONDENCE TO: Jim Brady Texas Instruments Incorporated P.O. Box 655474, M/S 3999 Dallas, TX 75265		DIRECT TELEPHONE CALLS TO: Jim Brady 972-917-4371
NAME OF INVENTOR: Xiaowei Deng	(1) NAME OF INVENTOR: Theodore W. Houston	(2) NAME OF INVENTOR: Bryan D. Sheffield
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COUNTRY OF CITIZENSHIP: P. R. China	COUNTRY OF CITIZENSHIP: USA	COUNTRY OF CITIZENSHIP: USA
SIGNATURE OF INVENTOR: 	SIGNATURE OF INVENTOR: 	SIGNATURE OF INVENTOR: 
DATE: 7/2/03	DATE: 7/2/03	DATE: 6/30/03

RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. Department of Commerce
Patent and Trademark Office

To the Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Xiaowei Deng
Theodore W. Houston
Bryan D. Sheffield

2. Name and Address of receiving party(ies):

Name: **TEXAS INSTRUMENTS INCORPORATED**Address: **P.O. Box 655474, MS 3999**City: **Dallas**State: **TX** Zip: **75265**Additional name(s) & address(es) attached? Yes No

3. Nature of Conveyance:

 Assignment Merger Security Agreement Change of Name Other _____Execution Date: **July 2, 2003**

4. Application number(s) or patent number(s):

 This document is being filed together with a new application.Execution date of the application: **July 11, 2003**Title: **SYSTEM FOR REDUCING ROW PERIPHERY POWER CONSUMPTION IN MEMORY DEVICES**Docket No: **TI-33969**

A. Patent Application No.(s)

S.N.Additional numbers attached? Yes No

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Jim Brady**
Texas Instruments IncorporatedAddress: **P.O. Box 655474, MS 3999**City: **Dallas**State: **TX** Zip: **75265**6. Number of applications and patents involved: **(1)**7. Amount of fee enclosed or authorized to be charged: **\$40**8. Deposit Account No: **20-0868** (Attach duplicate copy if paying by deposit account)

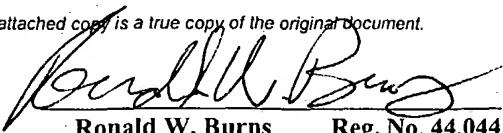
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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

July 11, 2003

Date



Ronald W. Burns Reg. No. 44,044

Total Number of Pages Including Cover Sheet, Attachments and Document: **3**